

Recombinant Full Length Arabidopsis Thaliana Delta(7)-Sterol-C5(6)-Desaturase 1(Ste1) Protein, His-Tagged

Cat. No. RFL9908AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Delta(7)-sterol-C5(6)-desaturase 1(STE1) Protein (Q39208) (1-281aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-281)
Form	Lyophilized powder
AA Sequence	MAADNAYLMQFVDETSFYNRIVLSHLLPANLWEPLPHFLQTWLRNYLAGTLLYFISG FLW CFYIYYLKINVYLPKDAIPTIKAMRLQMFVAMKAMPWYTLLPTVSESMIERGWT KCFASI GEFGWILYFVYIAIYLVFVEFGIYWMHRELHDIKPLYKYHATHHHIYNKQNTL SPFAGLA FHPVDGILQAVPHVIALFIVPIHFTTHIGLLFMEAIWTANIHDCHIHNWPVM GAGYHTI HHTTYKHNYGHYTIWMDWMFGSLRDPLLEEDDNKDSFKKAE
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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repeated freeze-thaw cycles.

Storage Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name

STE1

Synonyms

STE1; DWF7; At3g02580; F16B3.21; Delta(7)-sterol-C5(6)-desaturase 1; Delta(7)-sterol-C5-desaturase 1; Delta-7-C-5 sterol desaturase 1; Protein DWARF 7; Protein STEROL 1

UniProt ID

[Q39208](#)

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